

8 (oxynitride with substrate with temperature) and (buchanan.in.)	US-PGPUB; USPAT
1	
14 ((dual or double) with (oxy\$1nitride or (oxy adj nitride))) with (gate adj (dielectric or insulating or insulator or insu	20040201069 US-PGPUB; USPAT
21 S5 and (concentration with nitrogen with (thickness or depth))	US-PGPUB; USPAT
1 ("6773999".pn.) and (concentration with nitrogen)	US-PGPUB; USPAT
7 (US-20040201069-\$ or US-20030015763-\$ or US-20040227196-\$).did. or (US-5926741-\$ or US-6215163-\$ or	US-PGPUB; USPAT
7 S8 and (concentration with nitrogen)	US-PGPUB; USPAT
0 atom % with (times near sup)	US-PGPUB; USPAT
0 atom % with (times) with concentration	US-PGPUB; USPAT
28 atom % with (times)	US-PGPUB; USPAT
31 S14 and (concentration with nitrogen with sims)	US-PGPUB; USPAT
29 S22 and ("257"/\$3.cor.) or ("438"/\$3.cor.))	US-PGPUB; USPAT
0 atom % with ("7.times.10.sup.21")	US-PGPUB; USPAT
0 % with ("7.times.10.sup.21")	US-PGPUB; USPAT
0 % with (" .times.10.sup.21")	US-PGPUB; USPAT
0 % with (" .times.10.sup.20")	US-PGPUB; USPAT
0 % with (" .times.10.sup.10")	US-PGPUB; USPAT
12 % with ("times.10.sup.10")	US-PGPUB; USPAT
0 S14 and (concentration with nitrogen with (thickness or depth) with "atoms/cm")	US-PGPUB; USPAT
0 (concentration with nitrogen with (thickness or depth) with "atoms/cm")	US-PGPUB; USPAT
0 (concentration with nitrogen with (thickness or depth) with "/cm")	US-PGPUB; USPAT
0 (concentration with nitrogen with (thickness or depth) with "\$3/cm")	US-PGPUB; USPAT
13 (concentration with nitrogen with (thickness or depth) with cm)	US-PGPUB; USPAT
8 ((oxy\$1nitride or (oxy adj nitride)) with (gate adj (dielectric or insulating or insulator or insulation))) and S35	US-PGPUB; USPAT
25 (concentration with nitrogen with atom with (oxy\$1nitride or (oxy adj nitride))not "%")	US-PGPUB; USPAT
25 S45 and (@ad<"20040213" or @rlad<"20040213")	US-PGPUB; USPAT
23 S46 and ("257"/\$3.cor.) or ("438"/\$3.cor.))	US-PGPUB; USPAT
2	2001160555 JPO; DERWENT
1	20020014666 US-PGPUB; USPAT
0 (concentration with nitrogen) and S49	US-PGPUB; USPAT
1 (plasma) and S49	US-PGPUB; USPAT
0 (oxynitride) and S49	US-PGPUB; USPAT
25 ((concentration with nitrogen with atom not "%") same (oxy\$1nitride or (oxy adj nitride)))	US-PGPUB; USPAT
29 S56 not S47	US-PGPUB; USPAT
1 S57 and "10.sup.21"	US-PGPUB; USPAT
0 S57 and "10.sup.22"	US-PGPUB; USPAT
4 ((concentration with nitrogen with "10.sup.22") same (oxy\$1nitride or (oxy adj nitride)))	US-PGPUB; USPAT

4 ((concentration with nitrogen with "10.sup.22") and (oxy\$1nitride or (oxy adj nitride)))
 5 ((nitrogen with "10.sup.22") and (oxy\$1nitride or (oxy adj nitride)))
 1 S62 not S61
 0 ((nitrogen with "10.sup.23") and (oxy\$1nitride or (oxy adj nitride)))
 0 ((nitrogen with "10.sup.24") and (oxy\$1nitride or (oxy adj nitride)))
 6 ((nitrogen with "10.sup.21") and (oxy\$1nitride or (oxy adj nitride)))
 0 ((nitrogen with "10<sup>21") and (oxy\$1nitride or (oxy adj nitride)))
 0 S70 and (composite with (oxide or dioxide) with (oxy\$1nitride or (oxy adj nitride)))
 0 S70 and (composite with (oxide or dioxide) with (oxy\$1nitride or (oxy adj nitride)))
 0 S70 and ((multi\$1layer or multiple) with (oxide or dioxide) with (oxy\$1nitride or (oxy adj nitride)))
 4 (nitrogen with concentration with (oxy\$1nitride or (oxy adj nitride))) and "50"
 0 (nitrogen with concentration with (oxy\$1nitride or (oxy adj nitride))) and S74
 0 (nitrogen with concentration with (oxy\$1nitride or (oxy adj nitride) or sion)) and S77
 26 (nitrogen with concentration with (oxy\$1nitride or (oxy adj nitride) or sion)) and S79
 21 S80 and (@pd<"20040213")
 1 (concentration with nitrogen) and "6756646".pn.
 14 (US-20030015763-\$ or US-20030224616-\$ or US-20040201069-\$ or US-20040227196-\$).did. or (US-5674788-US-PGPUB; USPAT; DE
 3 (US-20030015763-\$ or US-20030224616-\$ or US-20040201069-\$ or US-20040227196-\$ or US-5674788-\$ or L US-PGPUB; USPAT
 1 (concentration with nitrogen) and "6245616".pn.
 21 (US-20030015763-\$ or US-20030224616-\$ or US-20040201069-\$ or US-20040227196-\$).did. or (US-5674788-US-PGPUB; USPAT; DE
 1 (JP-2004247557-\$ or JP-2004247556-\$ or DE-19963674-\$).did. and "%"
 1 5926741.pn.
 6 10032328 "10199878"
 2 (US-20030015763-\$ or US-20030224616-\$ or US-20040201069-\$ or US-20040227196-\$ or US-5674788-\$ or L US-PGPUB; USPAT
 0 (US-20030015763-\$ or US-20030224616-\$ or US-20040201069-\$ or US-20040227196-\$ or US-5674788-\$ or L US-PGPUB; USPAT
 0 (US-20030015763-\$ or US-20030224616-\$ or US-20040201069-\$ or US-20040227196-\$ or US-5674788-\$ or L US-PGPUB; USPAT
 0 (US-20030015763-\$ or US-20030224616-\$ or US-20040201069-\$ or US-20040227196-\$ or US-5674788-\$ or L US-PGPUB; USPAT
 0 (US-20030015763-\$ or US-20030224616-\$ or US-20040201069-\$ or US-20040227196-\$ or US-5674788-\$ or L US-PGPUB; USPAT
 0 (US-20030015763-\$ or US-20030224616-\$ or US-20040201069-\$ or US-20040227196-\$ or US-5674788-\$ or L US-PGPUB; USPAT
 1 6372581.pn. and "nm"
 0 (calculating with "%" with concentration with "atom")
 0 (calculating with "%" with concentration with atom)
 3 (calculating with "%" with concentration with atm)
 17 (calculating with "%" with concentration with formula)
 7 (US-20030015763-\$ or US-20030224616-\$ or US-20040201069-\$ or US-20040227196-\$ or US-5674788-\$ or L US-PGPUB; USPAT; DE
 0 ((atomic adj percent) with ("10.sup.22"))
 0 ((atomic adj percent) same ("10.sup.22"))

14 ((atomic adj (percent or "%")) same ("10.sup.22"))	US-PGPUB; USPAT
24 (concentration with atomic with density not (charge or electron or hole or volt or seconds))	US-PGPUB; USPAT
12 S114 and ("257"/\$3.cor.) or ("438"/\$3.cor.)	US-PGPUB; USPAT
6 (concentration with atomic with density with "equal")	US-PGPUB; USPAT
8 (concentration with atomic with "cm.sup.3" with (percent or percentage or "%") with nitrogen with (oxy\$1nitride)	US-PGPUB; USPAT
8 (atomic with "cm.sup.3" with (percent or percentage or "%") with nitrogen with (oxy\$1nitride))	US-PGPUB; USPAT
10 ("cm.sup.3" with (percent or percentage or "%") with nitrogen with (oxy\$1nitride))	US-PGPUB; USPAT
2 S123 not S121	US-PGPUB; USPAT
20 (density with (percent or percentage or "%") with nitrogen with (oxy\$1nitride))	US-PGPUB; USPAT
5 ((atom or atomic) adj (percent or percentage or "%")) with pure with (oxy\$1nitride or sion))	US-PGPUB; USPAT
1 ((oxy\$1nitride or (oxy adj nitride)) with (atomic adj density))	US-PGPUB; USPAT
5 (pure adj ((silicon adj (oxy\$1nitride or (oxy adj nitride))) or sion))	US-PGPUB; USPAT
0 S130 and (nitrogen adj concentration)	US-PGPUB; USPAT
5 S130 and (nitrogen)	US-PGPUB; USPAT
0	US-PGPUB; USPAT
0	2000477114 DERWENT
2	2000477114 EPO; DERWENT
2	2000477114 EPO; DERWENT
2	2000477114 EPO; DERWENT
1	2002198531 JPO; DERWENT
1 6245616.pn.	6756646 US-PGPUB; USPAT
1 S139 and (nitrogen adj concentration)	US-PGPUB; USPAT
0 ((concentration) with ("%" or percent or percentage) near (atom or atomic)) with "10.sup.22")	US-PGPUB; USPAT
0 ((concentration) with ("%" or percent or percentage) near (atom or atomic)) with "cm.sup.3" with (convert or co	US-PGPUB; USPAT
0 ((concentration) with ("%" or percent or percentage) near (atom or atomic)) with "cm.sup.3" with (convert or co	US-PGPUB; USPAT
0 ((concentration) with ("%" or percent or percentage) near (atom or atomic)) with "cm.sup.3" with (calculate or c	US-PGPUB; USPAT
0 S139 and "cm.sup.3"	US-PGPUB; USPAT
1 S139 and "cm.sup.2"	US-PGPUB; USPAT
3 ((nitrogen adj concentration) with "10.sup.22")	US-PGPUB; USPAT
0 ((nitrogen adj concentration) with "10.sup.23")	US-PGPUB; USPAT
0 (bhat and wrists).in.	US-PGPUB; USPAT
6 (nitrogen adj concentration) and S153	US-PGPUB; USPAT
8 ("5254506" "5407870" "5500816" "5650344" "5674788" "5773325" "5940736" "6001694").PN.	US-PGPUB; USPAT; US
7 (nitrogen adj concentration) and S155	US-PGPUB; USPAT
3 ((pure adj nitrogen) with (oxy\$1nitride or (oxy adj nitride)))	US-PGPUB; USPAT
0 ((pure adj nitrogen) with sion)	US-PGPUB; USPAT
0 ((pure adj nitrogen) with "atomic %")	US-PGPUB; USPAT

14 ((pure adj nitrogen) same (sion or oxy\$1nitride or (oxy adj nitride)))
0 S161 and S160
2 ((nitrogen adj content) with (sion or (silicon adj (oxy\$1nitride or (oxy adj nitride)))) with "cm.sup.3")
5 ((nitrogen adj content) with (sion or (silicon adj (oxy\$1nitride or (oxy adj nitride)))) same "cm.sup.3")
14 ((nitrogen) with (sion or (silicon adj (oxy\$1nitride or (oxy adj nitride)))) with "cm.sup.3")
12 S167 not (S166 or S165)
14 ((nitrogen) with (sion or (silicon adj (oxy\$1nitride or (oxy adj nitride)))) with "cm.sup.3")
12 S169 not (S166 or S165)
8 ((nitrogen) with (sion or (silicon adj (oxy\$1nitride or (oxy adj nitride)))) with "cm.sup.2")
8 S171 not "143"
2 S171 not S170
0 ((pure adj nitrogen) with (sion or (silicon adj (oxy\$1nitride or (oxy adj nitride)))))
2 ((pure adj nitrogen) same (sion or (silicon adj (oxy\$1nitride or (oxy adj nitride)))))
10 S177 and ((nitrogen) with ("cm.sup.3" or "cm.sup.2"))
11 ((nitrogen adj concentration) with "10.sup.21")
1 S179 and (sion or (silicon adj (oxy\$1nitride or (oxy adj nitride))))
25 ((nitrogen) with "10.sup.21")
4 S181 and (sion or (silicon adj (oxy\$1nitride or (oxy adj nitride))))
15 ((nitrogen) with "10.sup.22")
4 S183 and (sion or (silicon adj (oxy\$1nitride or (oxy adj nitride))))
0 ((sion or (silicon adj (oxy\$1nitride or (oxy adj nitride)))) with "si.sub.")
6 ((sion or (silicon adj (oxy\$1nitride or (oxy adj nitride)))) with empirical)
19 S187 and (@py="2004")
17 S193 and ((nitrogen adj concentration) with ((sion or (silicon adj (oxy\$1nitride or (oxy adj nitride))))))
1 S195 and ((nitrogen adj concentration) with ((sion or (silicon adj (oxy\$1nitride or (oxy adj nitride))))))
8 ("5254506" | "5407870" | "5500816" | "5650344" | "5674788" | "5773325" | "5940736" | "6001694",PN.
1 S197 and ((nitrogen adj concentration) with ((sion or (silicon adj (oxy\$1nitride or (oxy adj nitride))))))
2 S197 and ((nitrogen adj concentration) same ((sion or (silicon adj (oxy\$1nitride or (oxy adj nitride))))))
1 ((nitrogen) with "10.sup.23")
6 ((nitrogen) same "10.sup.23")
1 ((nitrogen) with greater with "10.sup.22")
1 ((nitrogen) with greater with "10.sup.21")
2 ((nitrogen same (concentration with greater with "10.sup.21")))
0 ((sion or (silicon adj (oxy\$1nitride or (oxy adj nitride))))) and S205
0 ((nitrogen same (amount with greater with "10.sup.21")))
5 ((nitrogen same (density with "10.sup.21")))
0 ((nitrogen same (density with "10.sup.22")))

[illegible]

2

0 (boron with (gate adj leakage))

26 S256 not S254

26 S258 not (S256 or S254)

2001160555 JPO; DERWENT
EPO; JPO; DERWENT
US-PGPUB; USPAT
US-PGPUB; USPAT